

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	916	361/152	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:24
S2	189	S1 and (fuel near (inject\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:25
S3	89	S1 and ((fuel near (inject\$5)) same coil)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:06
S4	105756	fuel near inject\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:06
S5	100768	fuel ADJ inject\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:41
S6	2049	S5 same (power adj (supply source))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:08
S7	954	S6 same valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:17
S8	228	S7 same (coil coils)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:17
S9	143	S8 same (control controlling)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:17
S10	56	S9 same (detect detection detector sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:17
S11	14	S10 same voltage	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:18

## EAST Search History

S12	52883	S5 same valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:17
S13	4979	S12 same (coil coils)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:17
S14	2528	S13 same (control controlling)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:26
S15	690	S14 same (detect detection detector sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:17
S16	148	S15 same voltage	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:18
S17	46	S16 same current	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:18
S18	38	S17 not S11	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:23
S19	13	S14 same (voltage near (detect detector detecting sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:27
S20	14862	S5 same power	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 15:42
S21	40	S20 same (voltage adj (detect detector detection sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 16:02
S22	51	S20 same (voltage near (detect detector detection sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 16:05
S23	85	maekawa-noriyuki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/16 16:05

## EAST Search History

S24	100819	fuel adj (inject\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:36
S25	22092	S24 same (detect detection detector sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:21
S26	11855	S25 same valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:21
S27	788	S26 same coil	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:22
S28	634	S27 same (control controlling)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:22
S29	380	S28 same signal	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:23
S30	91	S29 same voltage	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:24
S31	1	S30 same inductance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:23
S32	10	S30 same (power adj (supply source))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 07:35
S33	182	S24 and 361/152	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:19
S34	24	S33 and (voltage near (sensor regulator))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 08:36
S35	2	"0845735".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/17 08:37

## EAST Search History

S36	1170	S24 same coils	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:05
S37	685	S36 same (control controlling (control adj unit))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:04
S38	16	S37 same inductance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:07
S39	4	S24 same (coils near inductance)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 11:21
S40	39	S36 same inductance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:07
S41	6754	S24 same voltage	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:07
S42	671	S41 same (power adj (supply source))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:08
S43	42	S42 same coils	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:08
S44	3	S43 same inductance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:10
S45	20257	coils same inductance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:10
S46	1959	S45 same (power adj (supply source))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:10
S47	1307	S46 same voltage	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:10

## EAST Search History

S48	14	S47 same fuel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:13
S49	729	fuel adj injector adj system	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 09:13
S50	0	("20040118384").PN.	USPAT; USOCR	OR	OFF	2005/11/17 10:20
S51	1	("20040118384").PN. -	US-PGPUB; USPAT	OR	OFF	2005/11/17 10:20
S52	2173	S24 same (voltage with (detect detector detection sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:42
S53	200	S52 same (coil coils)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:42
S54	143	S53 same (control controlling)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:42
S55	4	S54 same inductance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:40
S56	197	S24 same (voltage adj (detect detector detection sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:42
S57	35	S56 same (coil coils)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:42
S58	26	S57 same (control controlling)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 10:42
S59	39581	fuel adj inject\$5	USPAT	OR	OFF	2005/11/17 11:09
S60	3674	S59 same (coil coils)	USPAT	OR	OFF	2005/11/17 11:10
S61	26	S60 same (voltage adj (detection detector detect sensor))	USPAT	OR	OFF	2005/11/17 11:11
S62	2388	S60 same valve	USPAT	OR	OFF	2005/11/17 11:10
S63	11	S62 same (voltage adj (detection detector detect sensor))	USPAT	OR	OFF	2005/11/17.15:13

## EAST Search History

S64	47928	(coil coils) same inductance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 11:21
S65	128	S64 same (voltage adj (detect detecting detection sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 11:22
S66	7	S65 same valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/17 11:58
S67	3	((("4933805") or ("5532526") or ("6584961")).PN.	USPAT; USOCR	OR	OFF	2005/11/17 11:58
S68	39619	fuel adj (inject\$5 actuator actuators)	USPAT	OR	OFF	2005/11/17 15:18
S69	3676	S68 same (coil coils)	USPAT	OR	OFF	2005/11/17 15:54
S70	34	S69 same (voltage adj (sense sensor monitor detect\$5 senses))	USPAT	OR	OFF	2005/11/17 16:11
S71	8	S70 same (battery adj voltage)	USPAT	OR	OFF	2005/11/17 15:19
S72	16395	fuel adj (injector injectors)	USPAT	OR	OFF	2005/11/17 15:32
S73	697	S69 same switch\$5	USPAT	OR	OFF	2005/11/17 15:33
S74	254	S73 same voltage	USPAT	OR	OFF	2005/11/17 15:55
S75	76	S74 same (chang\$4 select\$5 alter\$3 compensate\$5)	USPAT	OR	OFF	2005/11/17 15:54
S76	7	S75 same induct\$5	USPAT	OR	OFF	2005/11/17 15:34
S77	1	("5293076").PN.	USPAT; USOCR	OR	OFF	2005/11/17 15:45
S78	282	S69 same induct\$5	USPAT	OR	OFF	2005/11/17 15:54
S79	59	S78 same (chang\$4 select\$5 alter\$3 compensate\$5)	USPAT	OR	OFF	2005/11/17 16:12
S80	30	S79 same voltage	USPAT	OR	OFF	2005/11/17 15:55
S81	2	S79 same (voltage adj (sense sensor monitor detect\$5 senses))	USPAT	OR	OFF	2005/11/17 16:08
S82	175	S68 same (voltage adj (sense sensor monitor detect\$5 senses))	USPAT	OR	OFF	2005/11/17 16:11
S83	59	S82 same (chang\$4 select\$5 alter\$3 compensate\$5)	USPAT	OR	OFF	2005/11/17 16:17
S84	8	S69 same (battery adj voltage adj (sense sensor monitor detect\$5 senses))	USPAT	OR	OFF	2005/11/17 16:18

## EAST Search History

S85	100901	fuel adj (inject\$5 actuator actuators)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/18 08:02
S86	102	S85 same (battery near voltage near (sense sensor monitor detect\$5 senses))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/18 08:05
S87	7165	S85 same (coil coils)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/18 08:05
S88	16	S87 same (battery near voltage near (sense sensor monitor detect\$5 senses))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/18 08:05
S89	1	("6120005").PN.	USPAT; USOCR	OR	OFF	2005/11/18 09:38
S90	13905	coils same (actuators injector actuator injectors)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 07:47
S91	25	S90 same (voltage adj (sense sensor monitor detect\$5 senses))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 07:53
S92	10	S90 same undervoltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 08:55
S93	3496	S90 same switch\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 08:56
S94	884	S93 same voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 08:56

## EAST Search History

S95	496	S94 same (chang\$4 select\$5 alter\$3 compensat\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 08:57
S96	88	S95 same induct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:18
S97	64959	(coil coils) same (actuators injector actuator injectors)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:18
S98	152	S97 same (voltage adj (sense sensor monitor\$5 detect\$5 senses))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:19
S99	0	S98 same undervoltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:19
S10 0	48	S98 same switch\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:29
S10 1	41	S97 same undervoltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:30
S10 2	41	S101 not S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:31



## EAST Search History

S10 3	16	S98 same (battery adj voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:40
S10 4	39697	fuel adj (injector injectors)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:46
S10 5	875	S104 same ((battery adj voltage) (power adj (supply source)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:44
S10 6	17	S105 same (voltage adj (detect detection detecting detector monitor monitoring monitors sense senses sensing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:42
S10 7	2	(coil coils) with (reduce reduced reducing) with (inductane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:46
S10 8	5	S104 and ((coils) with (reduce reduced reducing reduces) with (inductance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 10:00
S10 9	928	361/152	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:50
S11 0	20	coils with (resultant adj inductance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 10:01

## EAST Search History

S11 1	1	S110 with (reduce\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 10:01
S11 2	6	S110 with (reduce\$5 reducing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 10:07
S11 3	928	361/152	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 10:32
S11 4	112	S113 and (fuel adj (injector injectors))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 10:42
S11 5	86	S114 and (coil coils)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 11:09
S11 6	408	361/139	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 11:09
S11 7	15	S116 and (fuel adj (injector injectors))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 11:26
S11 8	5359	(fuel adj (injector injectors))	US-PGPUB	OR	OFF	2006/03/30 11:27

## EAST Search History

S11 9	1	(fuel adj (injector injectors)) and (power adj (supply source)) and (voltage adj (detect detector detecting detection monitor monitoring monitors senses sense sensing)) and (coil coils) and (valve) and ((control adj unit) controller control\$4) and (signal (changover adj signal)) and (inductance).clm.	US-PGPUB	OR	OFF	2006/03/30 11:31
S12 0	11	(fuel adj (injector injectors)) and (power adj (supply source)) and (voltage adj (detect detector detecting detection monitor monitoring monitors senses sense sensing)) and (coil coils) and (valve) and ((control adj unit) controller control\$4).clm.	US-PGPUB	OR	OFF	2006/03/30 11:33
S12 1	3	(fuel adj (injector injectors)) and (power adj (supply source)) and (voltage adj (detect detector detecting detection monitor monitoring monitors senses sense sensing)) and (coil coils) and (valve) and (control adj unit) .clm.	US-PGPUB	OR	OFF	2006/03/30 11:33